Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/09/2016 10:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123603	-2	2.70	123405	2.65
Blue	F	SSC	125000	122464	-3	5.10	123385	4.86
Blue	E	FITC	17316	16573	-5	3.67	937	9.29
Blue	D	PE	22501	21819	-4	3.41	980	8.49
Blue	B	PerCP-Cy5-5	67647	65901	-3	3.94	1731	13.42
Blue	A	PE-Cy7	80682	80003	-1	4.71	1048	24.56
Red	C	APC	64263	62638	-3	2.66	3526	8.10
Red	A	APC-Cy7	96129	94417	-2	2.70	1867	7.96
Violet	B	V450	11714	11230	-5	3.60	700	8.16
Violet	A	V500	48394	47246	-3	3.12	2676	5.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19178	3.59	588	-1	N/A	N/A	Pass
Blue	F	SSC	60938	4.00	509	-5	N/A	N/A	Pass
Blue	E	FITC	101	36.11	515	-5	0.0256	163	Pass
Blue	D	PE	203	24.71	510	-4	0.1790	151	Pass
Blue	B	PerCP-Cy5-5	210	38.68	603	-4	0.0112	0	Pass
Blue	A	PE-Cy7	79	94.79	660	-3	0.0154	7	Pass
Red	C	APC	330	26.31	582	-3	0.0216	24	Pass
Red	A	APC-Cy7	118	38.12	562	-3	0.0048	807	Pass
Violet	B	V450	75	39.54	452	-4	0.0431	1424	Pass
Violet	A	V500	174	22.81	484	-3	0.0135	293	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.57	-31.36	0.84
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	16.86	13.28 - 19.92	N/A	N/A	31.66	32.02	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 12217

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments